

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 7. (Cancelled)

8. (Currently Amended) A liquid-crystal display device comprising:
a first substrate having an inner surface;
a second substrate having an inner surface;
a liquid-crystal layer disposed between said first and second substrates;
a wiring layer formed on at least one of said inner surfaces of said first and second substrates, ~~said wiring layer including a connection portion;~~
a pixel electrode;
an active element disposed between the wiring layer and the pixel electrode, the pixel electrode connected to a connection portion so as to connect to the active element;
an insulating film overlapping at least a portion of the wiring layer, and the active element except for the connection portion being so that the connection portion is free of the insulating film; and
~~a pixel electrode connected to the connection portion of said wiring layer, the insulating film disposed underneath an end underlying a peripheral portion of the pixel electrode except for a portion of the pixel electrode connected to the connection portion and a central portion of the pixel electrode so that, an underside of the central portion~~

of the pixel electrode being free of does not overlap said insulating film, and the central portion of the pixel electrode extending continuously from the connection portion without underlying the insulating film.

9. (Previously presented) The liquid-crystal display device of Claim 8 wherein said insulating film is insulatingly disposed between said wiring layer and said pixel electrode.

10. (Previously presented) The liquid-crystal display device of Claim 9 wherein said insulating film includes an opening through which said pixel electrode is coupled to said wiring layer.

11. (Previously presented) The liquid-crystal display device of Claim 9 further comprising a MIM element coupled between said wiring layer and said pixel electrode.

12. (Previously presented) The liquid-crystal display device of Claim 11 wherein said insulating film covers a surface of said MIM element.

13. – 14. (Cancelled)

15. (Previously presented) The liquid crystal display device of Claim 8 wherein said insulating film has light shading properties.

16. (Currently Amended) A method of forming a liquid-crystal display device comprising:

providing a first substrate having an inner surface;

providing a second substrate having an inner surface;

forming a wiring layer and an active element on at least one of said inner surfaces of said first and second substrates, ~~said wiring layer including a connection portion~~;

forming an insulating film on ~~at least a portion of the wiring layer, and the active element except for~~ the connection portion being such that the connection portion is free of the insulating film; and

forming a pixel electrode that is connected to the connection portion so that the pixel electrode is connected to the active element of the wiring layer;

wherein the active element is disposed between the wiring layer and the pixel electrode, the insulating film disposed underneath underlies a peripheral an end portion of the pixel electrode except for a portion of the pixel electrode connected to the connection portion and a central portion of the pixel electrode so that, an underside of the central portion of the pixel electrode being free of does not overlap said insulating film, and the central portion of the pixel electrode extends continuously from the connection portion without underlying the insulating film.

17. (Previously presented) The method of Claim 16 further comprising:

connecting a MIM element to said wiring layer and said pixel electrode and forming said insulating film so as to cover a surface of said MIM element.

18. – 20. (Cancelled)

21. (Previously presented) The liquid-crystal device of Claim 8, wherein said insulating film is inserted into an inner side of said pixel region.

22. (Previously presented) The liquid-crystal device of Claim 9, wherein said insulating film is inserted into an inner side of said pixel region.

23. (Previously presented) The liquid-crystal device of Claim 10, wherein said insulating film is inserted into an inner side of said pixel region.

24. (Previously presented) The liquid-crystal device of Claim 11, wherein said insulating film is inserted into an inner side of said pixel region.

25. (Previously presented) The liquid-crystal device of Claim 12, wherein said insulating film is inserted into an inner side of said pixel region.

26. (Previously presented) The liquid crystal device of Claim 15, wherein said insulating film is inserted into an inner side of pixel region.

27. – 28. (Cancelled)

29. (Currently Amended) A substrate with an active element, comprising:

a base member;

a wiring layer formed on the base layer including a connection portion;

a pixel electrode;

an active element disposed between the wiring layer and the pixel electrode, the pixel electrode connected to a connection portion so as to connect to the active element;

an insulating film overlapping at least a portion of the wiring layer, and the active element except for the connection portion being so that the connection portion is free of the insulating film; and

— a pixel electrode electrically connected to the connection portion of said wiring layer such that the active element is formed, the insulating film disposed underneath an end underlying a peripheral portion of the pixel electrode except for a portion of the pixel electrode connected to the connection portion and a central portion of the pixel electrode so that, an underside of at the central portion of the pixel electrode being free of does not overlap said insulating film, and the central portion of the pixel electrode extending continuously from the connection portion without underlying the insulating film.

30. (Previously presented) A substrate with an active element according to claim 29, wherein the thickness of the insulating film is 400 angstrom and 1000 angstrom.

31. (Previously presented) A substrate with an active element according to claim 29 wherein the insulating film comprises a material selected from the group consisting of Ta oxide, silicon oxide, silicon nitride, aluminum oxide, polyimide, and acrylic resin.

32. (Previously presented) A substrate according to claim 29 further comprises an insulator disposed on the connection portion of the wiring layer.

33. (Previously presented) A substrate according to claim 29 wherein the base comprises an underlying layer for improving the adhesion between the base member and elements formed thereon.

34. (Previously presented) A substrate according to claim 33 wherein at least a center portion of the pixel electrode is formed on the underlying layer, and a peripheral portion of the pixel electrode is formed underneath the insulating film.

35. (Previously presented) A substrate according to claim 29, further comprises a second electrode layer, coupled to the pixel electrode, for connecting the wiring layer and the pixel electrode.

36. (Previously presented) A substrate according to claim 29, wherein the insulating film having light shielding property.

37. (Previously presented) A liquid-crystal display device comprising:
a first substrate;
a second substrate opposing the first substrate; and
a liquid-crystal layer disposed between said first and second substrates,
wherein at least one of the first and the second substrate comprises the
substrate defined in claim 29.

38. (Previously presented) A liquid-crystal display device according to claim 36 further comprises a driving circuit mounted on at least one of the first and the second substrate.

39. – 44. (Cancelled)